

PRESSURE PERFORMANCE SERIES SK | HK | LP | LK

Series SK mm	Base material of the installation						
	① ETG-100/44SMn28 AISI 1144	② C15Pb 1.0403	③ EN-GJL-250 EN 1561	④ EN-GJS-500-7 EN 1563	⑤ AlCu4Mg1 EN AW-2024-T3	⑥ AlMgSiPb EN AW-6012-T6	⑦ G-AiSi7Mg EN AC-42100
Ø 4 – 10	1.600 bar / 23.200 psi 500 bar / 7.200 psi				1.400 bar / 20.300 psi 450 bar / 6.500 psi		
Hole tolerance	0/+0,12 mm						
Hole roughness	R _z 10 – 30 µm				Anchorage in base metal		

If SK plugs are used to keep channels separated, allowable working pressure on the insertion side is reduced by 50 %.

Series HK mm	Base material of the installation						
	① ETG-100/44SMn28 AISI 1144	② C15Pb 1.0403	③ EN-GJL-250 EN 1561	④ EN-GJS-500-7 EN 1563	⑤ AlCu4Mg1 EN AW-2024-T3	⑥ AlMgSiPb EN AW-6012-T6	⑦ G-AiSi7Mg EN AC-42100
Ø 3 – 10	1.200 bar / 17.400 psi 350 bar / 5.100 psi				500 bar / 7.200 psi 160 bar / 2.300 psi		
Hole tolerance	0/+0,1 mm						
Hole roughness	R _z 10 – 30 µm				Roughness anchoring not effective, anchorage in base metal not possible		

If HK plugs are used to keep channels separated, allowable working pressure on the insertion side is reduced by 50 %.

Series LP mm	Base material of the installation						
	① ETG-100/44SMn28 AISI 1144	② C15Pb 1.0403	③ EN-GJL-250 EN 1561	④ EN-GJS-500-7 EN 1563	⑤ AlCu4Mg1 EN AW-2024-T3	⑥ AlMgSiPb EN AW-6012-T6	⑦ G-AiSi7Mg EN AC-42100
Ø 4 – 12	180 bar / 2.600 psi				60 bar / 850 psi		
Hole tolerance	according to data sheet						
Hole roughness	R _z 10 – 30 µm				Anchorage in base metal		

①②③④⑤ Temperature range for proof pressure test ☉: – 40 °C to + 150 °C ⑥⑦ Temperature range for proof pressure test ☉: – 40 °C to + 100 °C

Series LK 600 mm	Base material of the installation						
	① ETG-100/44SMn28 AISI 1144	② C15Pb 1.0403	③ EN-GJL-250 EN 1561	④ EN-GJS-500-7 EN 1563	⑤ AlCu4Mg1 EN AW-2024-T3	⑥ AlMgSiPb EN AW-6012-T6	⑦ G-AiSi7Mg EN AC-42100
Ø 4 – 10	180 bar / 2.600 psi				60 bar / 850 psi		
Hole tolerance	0/+0,12 mm						
Hole roughness	R _z 10 – 30 µm				Anchorage in base metal		

①②③④ Temperature range for proof pressure test ☉: – 40 °C to + 150 °C ⑤⑥⑦ Temperature range for proof pressure test ☉: – 40 °C to + 100 °C

Series LK 950 mm	Base material of the installation						
	① ETG-100/44SMn28 AISI 1144	② C15Pb 1.0403	③ EN-GJL-250 EN 1561	④ EN-GJS-500-7 EN 1563	⑤ AlCu4Mg1 EN AW-2024-T3	⑥ AlMgSiPb EN AW-6012-T6	⑦ G-AiSi7Mg EN AC-42100
Ø 4 – 18	180 bar / 2.600 psi				60 bar / 850 psi		
Hole tolerance	0/+0,12 mm						
Hole roughness	R _z 10–30 µm				partial anchorage in base metal		Anchorage in base metal

①②③④ Temperature range for proof pressure test ☉: – 40 °C to + 150 °C ⑤⑥⑦ Temperature range for proof pressure test ☉: – 40 °C to + 100 °C
 KOENIG-EXPANDER® sealing plugs series LK are not suitable for pressure load applied on the insertion side of the plug. For special release contact KVT-Koenig.